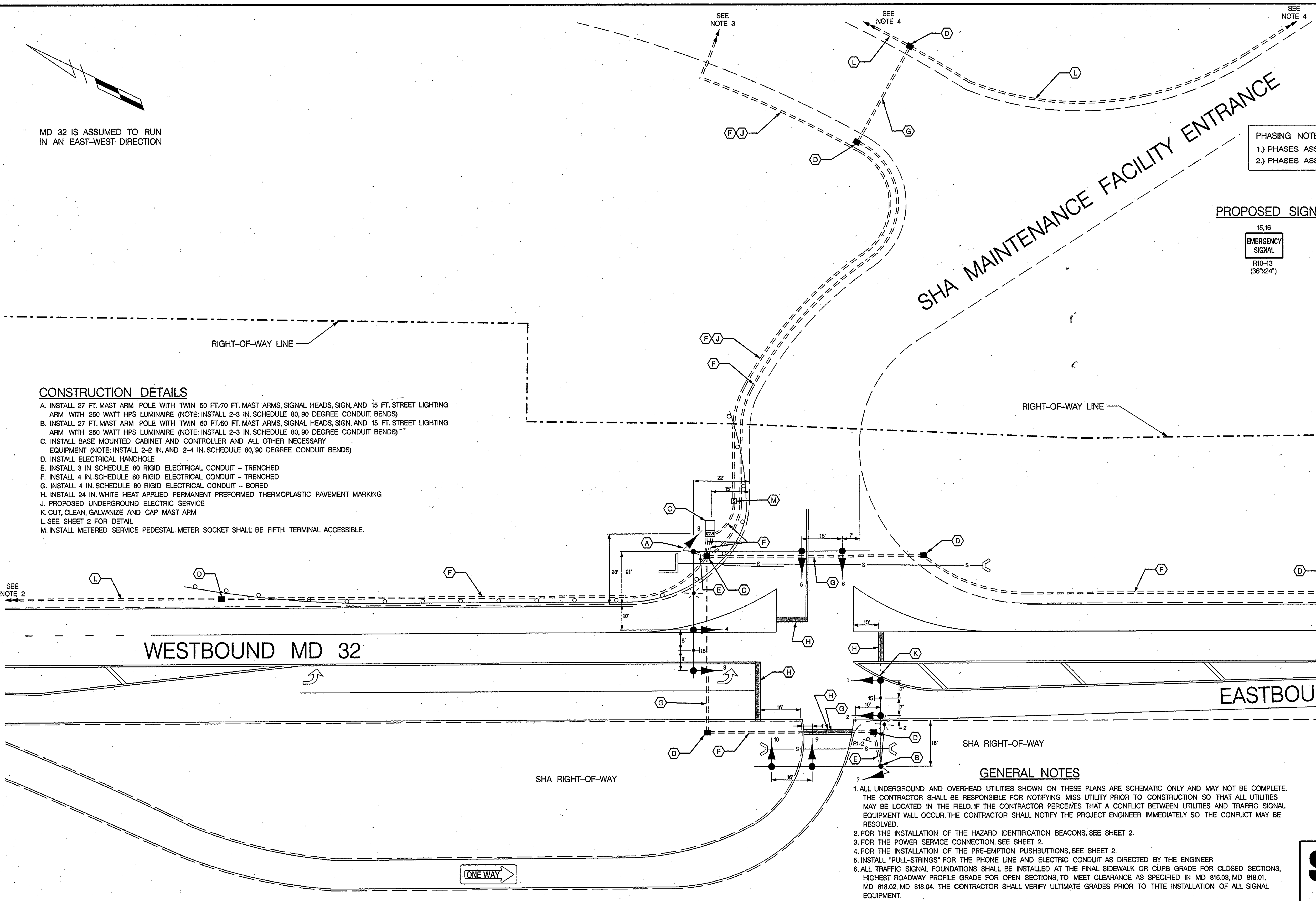
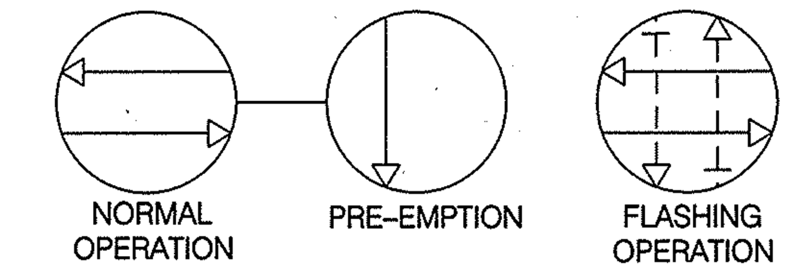


CONSTRUCTION DETAILS

A. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT/70 FT. MAST ARMS, SIGNAL HEADS, SIGN, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
B. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT/50 FT. MAST ARMS, SIGNAL HEADS, SIGN, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
C. INSTALL BASE MOUNTED CABINET AND CONTROLLER AND ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
D. INSTALL ELECTRICAL HANDHOLE
E. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
F. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
G. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – BORED
H. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
J. PROPOSED UNDERGROUND ELECTRIC SERVICE
K. CUT, CLEAN, GALVANIZE AND CAP MAST ARM
L. SEE SHEET 2 FOR DETAIL
M. INSTALL METERED SERVICE PEDESTAL. METER SOCKET SHALL BE FIFTH TERMINAL ACCESSIBLE.

NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

PROPOSED SIGNS

15,16
EMERGENCY SIGNAL
R10-13 (36"x24")

PROPOSED SIGNALS

1–4	8–10	5–7
R 12"	R	R 12"
Y 12"	Y	
Y 8"	G 12"	

GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. FOR THE INSTALLATION OF THE HAZARD IDENTIFICATION BEACONS, SEE SHEET 2.
3. FOR THE POWER SERVICE CONNECTION, SEE SHEET 2.
4. FOR THE INSTALLATION OF THE PRE-EMPTION PUSHBUTTIONS, SEE SHEET 2.
5. INSTALL "PULL-STRINGS" FOR THE PHONE LINE AND ELECTRIC CONDUIT AS DIRECTED BY THE ENGINEER
6. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THTE INSTALLATION OF ALL SIGNAL EQUIPMENT.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
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(410) 923-7101
FAX (410) 923-6473
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

APPROVALS

Amy K. Beall 3-18-05 — TEAM LEADER
3/21/05 — ASST. DIV. CHIEF
3.21.05 — DIVISION CHIEF
3/21/05 — OFFICE DIRECTOR

REVISIONS

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN

MD 32 AND SHA MAINTENANCE FACILITY ENTRANCE

SCALE 1"=20'	DATE 3-14-05	CONTRACT NO. AT 7175185	
DESIGNED BY	T. ZAYDEL	COUNTY	HOWARD
DRAWN BY	T. ZAYDEL	LOGMILE	13003214.13
CHECKED BY	K. SCHMID	T.I.M.S. NO.	G 409
F.A.P. NO.	N/A	TOD NO.	
DRAWING NO. TS-4378	OF	SHEET NO. 1 OF 3	